Exhibit I



Wireless Fabric Connectivity Solutions



Cambium Networks™

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Cambium Networks' Wireless Fabric



Breakthrough Technologies



Cloud and Network Management

LINKPlanner

- Free, network design tool for RF environments
- Tens of thousands of links deployed



cnMaestro

Point-to-Multipoint

- Cloud management
- Secure, end-to-end network control



cnArcher

- Free android app
- Allows field techs to configure PMP networks







Point-to-Point

PTP 650/670

- Launched in November 2013/2017
- Replacement for legacy PTP 600 which was the "gold standard" for almost a decade



cnMedusa (PMP 450m)

- Launched in September 2016
- Breakthrough 14x14 Massive MU-MIMO
- Will drive continued PMP growth for next several years



ePMP

• Launched in October 2013

ePMP 1000/2000

High quality, affordable platform



Wi-Fi

cnPilot e4/5/6xx

- Launched in July 2015, cloud-savvy
- Affordable yet uncompromising quality



PTP 550

- Launched January 2018
- Exceptional headline data rate (1.4 Gbps)



PMP 450i

- Launched in September 2012/2016
- Long awaited replacement to flagship PMP product line
- Top performing Cambium product



ePMP 3000

- Launching December Q2 2018
- 4x4 MU-MIMO & 80 MHz Channel Support
- Higher Capacity and Spectral Efficiency



cnPilot e430W

- Launching Q1 2018
- Wall Plate AP for Hospitality
- Managed Service Provider enaber



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cnPilot Wi-Fi Portfolio Overview

Provide seamless indoor and outdoor Wi-Fi with field proven solutions that meet capacity needs.













	r190W	r190V	e410	e600	e500	e430W
Key Statement	Indoor residential and small to	Indoor residential and small to medium business Wi-Fi access		Enterprise indoor access points		Enterprise wall plate
Typical Application	Indoor Wi-Fi coverage Residential Small and medium business		Enterprise Wi-Fi coverage for inc Enterprise Hospitality Industry Public Wi-Fi Retail	door locations:	Wi-Fi coverage for outdoor areas EnterpriseHospitalityIndustryPublic Wi-Fi	Hospitality
Wi-Fi Standard	802.11n	802.11n	802.11ac Wave 2	802.11ac Wave 2	802.11ac	802.11ac Wave 2
Frequency			2.4 and 5 GHz	2.4 and 5 GHz	2.4 and 5 GHz	2.4 AND 5 GHz
Max Throughput	300 Mbps	300 Mbps	867 Mbps	1.3 Gbps	1.01 Gbps	1.01 Gbps
Tx Power	24 dBm	24 dBm	24 dBm at 2.4 GHz 25 dBm at 5 GHz	24 dBm at 2.4 GHz 28 dBm at 5 GHz	29 dBm at 2.4 GHz 28 dBm at 5 GHz	22 dBm at 2.4 GHz 21 dBm at 5 GHz
Concurrent Users	64	64	256	512	256	256
SSID	4	4	16	16	16	16
Mesh Capability	No	No	Yes	Yes	Yes	Yes
Ethernet ports	4 LAN 1 WAN	4 LAN 1 WAN	1 LAN	2 LAN	2 LAN	3 LAN 1 LAN + PoE
Roaming	No	No	Yes	Yes	Yes	Yes

PMP 450 Platform Overview

Connectorized















Sector

900 SM with Yagi

450b Mid-gain

450b High Gain

Integrated

450i Connectorized

450 SM 450 SM with Reflector Dish Integrated

Access F	oints
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450

450h

Subscriber Modules 450i

H	CC	E:	55	Г	U	II
			45	Oi		

	450m cnMedusa	450i	450	450b	450i	450
Frequency Bands	3 GHz*, 5 GHz	900 MHz, 3 GHz, 5 GHz	2.4 GHz	3 GHz*, 5 GHz	3 GHz, 5 GHz	900 MHz, 2.4 GHz
Channel Size	5 7 10 15 20 30 40 MHz	5 7 10 15 20 30 40 MHz	5 10 15 20 30 40 MHz	5 7 10 15 20 30 40 MHz	5 7 10 15 20 30 40 MHz	5 7 10 15 20 30 40 MHz
Physical Layer	14 x 14 MU-MIMO / OFDM	2 x 2 MIMO / OFDM	2 x 2 MIMO / OFDM	2 x 2 MIMO / OFDM	2 x 2 MIMO / OFDM	2 x 2 MIMO / OFDM
Interface	Gigabit, SFP	Gigabit	100 Mbit	Gigabit	Gigabit	100 Mbit
	2 nd Ethernet port PoE out	2 nd Ethernet port PoE out			2 nd Ethernet port PoE out	
Environmental	IP 67, IP 66	IP 67, IP 66	IP 67, IP 66	IP 55 (Mid-gain), IP 67 (High Gain)	IP 67, IP 66	IP 55
Latency	7-10 ms	3-5 ms	3-5 ms	3-5 ms	3-5 ms	3-5 ms
Performance	1.2 Gbps+	300+ Mbps	200+ Mbps	300+ Mbps	300+ Mbps	100+ Mbps
Powering Methods	56V PoE	30V PoE	30V PoE	30V PoE	30V PoE	30V PoE
	Cambium Proprietary	802.3af	Cambium Proprietary Standard PoE Pinouts	Cambium Proprietary Standard PoE Pinouts	Cambium Proprietary Standard PoE Pinouts	Cambium Proprietary Standard PoE Pinouts
Power Consumption	85 W Max, 70 W Typical	19 W Max, 16 W Typical	15 W max, 12 W typical	12 W max, 9 W typical	19 W max, 16 W typical	12 W max, 9 W typical
Max Power	+42 dBm EIRP	+44 dBm EIRP +27 dBm Tx Power	+22 dBm Tx Power	+44 dBm EIRP (mid-gain) +51 dBm EIRP (High gain)	+50 dBm EIRP +27 dBm Tx Power	+22 dBm Tx Power
Antenna	90°/120° Sector	90°/120° Sector: 17 dBi Connectorized or external 60° Sector Antenna (900 MHz)	Connectorized or external 60° Sector Antenna	17 dBi: Mid-Gain 24 dBi: High Gain (5 GHz) 19 dBi: High Gain (3 GHz)*	23 dBi (5 GHz) 19 dBi (3 GHz) Integrated Flat Panel	9 dBi: Integrated (2.4 GHz) Connectorized or external 12 dBi Yagi (900 MHz)
SMs Supported Per Sector	238	238	238			

ePMP[™] Portfolio Overview

2.4 GHz

ePMP 1000

ePMP 1000



ePMP 3000

ePMP 2000 5 GHz

5 GHz

5 GHz

				epmp Fill Parkets				8	Access Point with
	GPS Sync Radio Connectorized	Integrated Force 200	GPS Sync Radio Connect	Bridge- orized in-a-Box	Force 180 Force	190 Force 200	Access Point with Intelligent Filtering and Sync	CSM 300 Force 300-16 Q2/18 Q2/18	Force 300-25 MU-MIMO Q4/17 Q2/18
	Connectorized Integrated	GPS Sync Radio	Bridge- in-a-Box	Force 180	Force 190	Force 200	Access Point with Intelligent Filtering	Force 300-16 Force 300-25 CSM 300	Access Point with MU-MIMO
Frequency Band(s)	2.4 GHz, 5 GHz 2.4/2.5 GHz (Brazil, NZ) 6.4 GHz (Russia)	2.4 GHz, 5 GHz	5 GHz	5 GHz	5 GHz	2.4 GHz, 5 GHz	solution with beam steering, intelligent 5 GHz	5 GHz	5 GHz
Channel Size	5 10 20 40 MHz	5 10 20 40 MHz	5 10 20 40 MHz	5 10 20 40 MHz	5 10 20 40 MHz	5 10 20 40 MHz	5 10 20 40 MHz	20 40 80 MHz	20 40 80 MHz
Physical Layer	2 x 2 MIMO / OFDM 802.11n – 64QAM	2 x 2 MIMO / OFDM 802.11n – 64QAM	2 x 2 MIMO / OFDM 802.11n – 64QAM	2 x 2 MIMO / OFDM 802.11n – 64QAM	2 x 2 MIMO / OFDM 802.11n – 64QAM	2 x 2 MIMO / OFDM 802.11n – 64QAM	2 x 2 MIMO / OFDM 802.11n – 64QAM	2 x 2 MIMO / OFDM 802.11ac Wave 2 256QAM	4 x 4 MIMO / OFDM 802.11ac Wave 2 256QAM
Interface	100 Mbit 2 nd Ethernet port PoE out	Gigabit	Gigabit	Gigabit	100 Mbit	Gigabit	Gigabit	Gigabit	Gigabit/SFP
Environmental	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
Latency	15~17ms	5~7ms	15~17ms	5~7ms	2~3ms	2~3ms	5~7ms	5~7ms	5~7ms
Performance	200+ Mbps	200+ Mbps	200+ Mbps	200+ Mbps	200+ Mbps	200+ Mbps	200+ Mbps	600+ Mbps	1+ Gbps
Powering Methods	30V PoE Cambium Proprietary	30V PoE 802.3af	30V PoE Cambium Proprietary Standard PoE Pinouts	30V PoE Cambium Proprietary Standard PoE Pinouts	30V PoE Cambium Proprietary Standard PoE Pinouts	30V PoE Cambium Proprietary Standard PoE Pinouts	56V PoE 802.3at	30V PoE	56V PoE 802.3at
Power Consumption	7 W max, 5 W typical	10 W max, 7.5 W typical	10 W max, 5 W typical	10 W max, 5 W typical	8 W max, 5 W typical	10 W max, 5 W typical	20 W max	12 W	21 W max
Max Tx Power	+30 dBm	+30 dBm	+30 dBm	+30 dBm	+27 dBm	+30 dBm	+30 dBm	+27 dBm	MCS0, VHT80: +25 dBm MCS9, VHT80: +21 dBm
Antenna	Integrated: 2.4 GHz – 11 dBi 5 GHz – 14 dBi Connectorized: 3 rd party	90°/120° Sector: 18 dBi or 3 rd party antenna	Integrated: 16 dBi	Integrated: 16 dBi	Dish: 22 dBi	Dish: 2.4 GHz - 17 dBi 5 GHz – 25 dBi	90/120° Sector: 17dBi Optional Beamforming	300-16: Integrated 16 dBi 300-25: Dish 25 dBi CSM 300: RP-SMA	90/120° Sector: 17 dBi 4 x 4 MU-MIMO Optional Beamforming
Modes	AP: 120 Subscribers SM PTP	AP: 120 Subscribers PTP	Bridge-in-a-Box: PTP	SM PTP	SM PTP	SM PTP	AP: 120 Subscribers PTP	SM PTP	AP: 120 Subscribers PTP

ePMP elevate



Leverage an existing 802.11-based installed network and add synchronization without the cost of replacing the entire network

ePMP elevate

Typical Application	Saving the cost and time of a total network replacement, an operator simply installs an ePMP Access Point and loads ePMP Elevate software onto their deployed subscriber modules.
Products Supported	For Ubiquiti® XW/XM and Mikrotik SXT5-Lite Devices

ePMP 2000 2.4 & 5 GHz



Access Point with Intelligent Filtering and Sync

Industry's most affordable filtering and all the benefits of GPS sync

Access Point with Intelligent Filtering

Frequency Band(s)	2.4 & 5 GHz
Channel Size	5 10 20 40 MHz
Physical Layer	2 x 2 MIMO / OFDM 802.11n – 64QAM
Interface	Gigabit
Performance	200+ Mbps
Powering Methods	56V PoE 802.3at
Power Consumption	20 W max
Max Tx Power	+30 dBm
Antenna	90/120° Sector: 17dBi Optional Beamforming 3 rd party horn
Modes	AP: 120 Max Subscribers GPS synchronized PTP Scheduling: ePTP TDD Flexible

cnReach / IIoT Overview



Simplify the migration to an all-IP network and maximize the use of spectrum while reducing operating costs











	N500 900 MHz	N500 700 MHz	N500 450 MHz	N500 220 MHz	N500 I/O Expander
Key Statement	real-time automated decision making an petrochemical, electric utility, water/was	ons, cnReach transports process monitoring d on-going analytics. Covering large geogratewater/stormwater, rail and transportation in all I/O with TCP/IP and Ethernet connectivity	aphic areas, hard to reach terrain and challe industries. cnReach eases the migration to r	nging spectrum environments, cnReach de	
Region	NA/CALA/Australia/NZ	US	Global	US	Global
Frequency Bands	ISM mode: 902 - 928 MHz; (915-928 MHz in Australia) MAS mode: 928 - 960 MHz	757-758 MHz and 787-788 MHz	406 – 430 MHz and 450 – 470 MHz	217 – 222 MHz	
Channel Size	ISM: 76 / 154 / 207 / 310 / 600 / 1200 kHz MAS: 12.5 / 25 / 50 kHz	12.5, 25, 50, 100, 200, 250 kHz	12.5 / 25 kHz (50 / 100 kHz available regulations permitting)	12.5 / 15 / 25 / 50 / 100 / 200 kHz	
Modulations	MSK / 2FSK / BPSK / QPSK / 8PSK / 16PSK / 16QAM / 32QAM	MSK / QPSK / 8PSK / 16QAM / 32QAM	MSK / QPSK / 8PSK / 16QAM / 32QAM	MSK / QPSK / 8PSK / 16QAM / 32QAM	
Max Tx Power	Up to 1 W (30 dBm) (ISM) Up to 4 W (36 dBm) (MAS)	Up to 10W (40 dBm)	FCC: 406.1 - 430 MHz (up to 2 W / 33 dBm); 450-470 MHz (up to 8 W / 39 dBm); ETSI: Up to 8W (39 dBm)	217-220: Up to 2W 220-222 Up to 5W	
Adaptive modulation	Yes	Yes	Yes	Yes	
Security		128/256-bit AES en	cryption and secure management interface	s (HTTPS, SNMPv3)	
Interfaces	Two Ethernet Two Serial (RS-232/422/485) Optional Analog/Digital GPIO	Two Ethernet Two Serial (RS-232/422/485) Optional Analog/Digital GPIO	Two Ethernet Two Serial (RS-232/422/485) Optional Analog/Digital GPIO	Two Ethernet Two Serial (RS-232/422/485) Optional Analog/Digital GPIO	Two Ethernet Two Serial (RS-232/422/485) Analog/Digital GPIO
LINKPlanner	Υ	Υ	Υ	Υ	
cnMaestro	Υ	Υ	Υ	Υ	

Cambium Networks offers a complete set of accessories for cnReach including power supplies, antennas and adaptors.

Licensed Microwave Overview



	FULL O	FULL OUTDOOR		SPLIT MOUNT			
	PTP820S	PTP820C	PTP820G + RFU-C	PTP820G + RFU-A			
Frequency Band	6 – 38 GHz	6 – 38 GHz	6 – 38 GHz	6, 11 GHz			
Channel Size	3.5 - 80 MHz	3.5 - 80 MHz	3.5 - 60 MHz	3.5 - 60 MHz			
Number of Carriers	Single	Dual	Single and Dual	Single and Dual			
XPIC	Not Supported	Supported	Supported	Supported			
MIMO	Not Supported	2x2 / 4x4 MIMO	Not Supported	Not Supported			
Traffic Interface	1 x 10/100/1000 Base T (RJ 45)	1 x 10/100/1000 Base T (RJ 45)	4 x 10/100/1000 Base T (RJ 45)	4 x 10/100/1000 Base T (RJ 45)			
	2 x 1000 BaseX - SFP	1 x 1000 BaseX - SFP	2 x 1000 BaseX - SFP	2 x 1000 BaseX - SFP			
MTU	9600 Bytes	9600 Bytes	9600 Bytes	9600 Bytes			
QoS	VLAN ID, p-bits, IPv4, DSCP, IPv6 TC, MPLS EXP	VLAN ID, p-bits, IPv4, DSCP, IPv6 TC, MPLS EXP	VLAN ID, p-bits, IPv4, DSCP, IPv6 TC, MPLS EXP	VLAN ID, p-bits, IPv4, DSCP, IPv6 TC, MPLS EXP			
	8 priority queues	8 priority queues	8 priority queues	8 priority queues			
	configurable up to 64 Mbit per queue						
Configuration	1+0	1+0 to 4+0	1+0 to 2+0	1+0 to 2+0			
	1+1 HSB	1+1 / 2+2 HSB	1+1 / 2+2 HSB	1+1 / 2+2 HSB			
	2+0, Non-XPIC	2+0 XPIC	2+0 XPIC	2+0 XPIC			
		2+2 SD	1+1 HSB with SD	1+1 HSB with SD			
Performance (Layer 2)	596 Mbps - No Compression	1.2 Gbps - No Compression	1 Gbps - No Compression	1 Gbps - No Compression			
	833 - Multi-Layer Compression	2 Gbps - Multi-Layer Compression	2 Gbps - Multi-Layer Compression	2 Gbps - Multi-Layer Compression			
Modulation	QPSK to 2048 OAM w/ACM						
Multi Carrier Link Aggregation	N/A	MC-ABC	MC-ABC	MC-ABC			
Power Consumption	6-11 GHz: 40W	6 & 11 GHz: 65W	IDU: 23.5W(single modem)	IDU: 23.5W(single modem)			
		7 GHz: 75W	IDU: 26.4W(Dual modem)	IDU: 26.4W(Dual modem)			
	13-38 GHz: 35W	13-15 GHz & 26-38 GHz: 55W	RFU-C 6-26 GHz: 22W (1+0), 39W (1+1)	RFU-Ae: 77W (1+0), 101W(1+1)			
		18-24 GHz: 48W	RFU-C 28-38 GHz: 26W (1+0), 43W (1+1)	RFU-Aep: 90W (1+0), 114W(1+1)			
Maximum Tx Power	29 dBm	28 dBm	26 dBm	35 dBm			

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Point to Point Sub 6 GHz: Product at a Glance



















	Bridge-in-a-Box	F300-25	PTP 450	PTP 450i	PTP 550 (Dual Carrier)	PTP 670
Frequency Range (GHz)	4.9 to 5.97	5.15 to 5.97	3.5 /3.65/ 5.4 to 5.8 GHz	4.90 to 5.925	5.15 – 5.97	4.9 to 6.05
Channel BW (MHz)	5/10/20/40	20/40/80	5/10/20/30	5/10/15/20/30/40	2x 20/40/80	5/10/15/20/30/40/45
Technology	802.11n	802.11ac Wave 2	Proprietary	Proprietary	802.11ac Wave 2	Proprietary
Line of Sight	LoS	LoS	LoS	LoS	LoS	LoS, nLoS, NLoS
Environmental	IP55	IP55	IP55	IP66/67	IP66/67	IP66/67
Latency	3-6 ms	3-6 ms	3-5 ms	3-5 ms	3-5 ms	1-3 ms
Performance	200 Mbps	600 Mbps	300 Mbps	300 Mbps	1.4 Gbps	450 Mbps
Top Modulation	64 QAM	256 QAM	256 QAM	256 QAM	256 QAM	256 QAM
Max Frame Size	1700 Bytes	1700 Bytes	1700 Bytes	1700 Bytes	1700 Bytes	9600 Bytes
Spectrum Management	Standby Spectrum Analyzer	Live Spectrum Analyzer	Standby Spectrum Analyzer	Standby Spectrum Analyzer	Dynamic Channel Selection	Dynamic Spectrum Optimization (DSO)
Dynamic Filter	No	No	No	Yes	No	No
IEEE 1588v2 & SyncE	No	No	No	No	No	Yes
TDD Sync	No	No	Yes	Yes	Yes	Yes
Encryption	AES 128	AES 128	AES 128	AES 128	AES 128	AES 128/AES 256
QOS	3 Level	3 Level	2 Level	4 Level	3 Level	8 Levels
Power Consumption	7W	12 W	12 W	< 25 W	< 25 W	<30 W
Max Tx Power	30 dBm	27 dBm	22 dBm	27 dBm	27 dBm	27 dBm
Integrated Antenna	16 dBi	25 dBi or 16 dBi	14 dBi	23 dBi	23 dBi	23 dBi

Planning and Management Overview



LINKPlanner

Quickly design networks for optimal deployment and cost effectiveness with ease.



cnArcher

Raise the bar on installation accuracy with cnArcher™, the free Android app that gives field techs the information they need to configure and properly align Cambium Networks PMP wireless broadband subscriber modules.



cnMaestro

cnMaestro™ is a cloud-based or on-premises software platform for secure, endto-end network control.

Typical Application

LINKPlanner allows you to model scenarios

– based on geography, distance, antenna
height, transmit power, and other factors –
to optimize system performance before
purchase. Quickly design networks for
optimal deployment and cost effectiveness
with ease. Available for Microsoft® Windows®
and Mac® systems, LINKPlanner is a free,
user-friendly link-design tool.

Designed with input from field technicians and years of experience on our millions of wireless broadband modules deployed, cnArcher validates configuration and alignment in seconds.

Increase the number of installs done right the first time, and increase customer satisfaction. Eliminate problems, and focus your manpower on connecting new subscribers as your network grows.

cnMaestro wireless network manager simplifies device management by offering full network visibility. View and perform a full suite of wireless network management functions in real time. Optimize system availability, maximize throughput, and meet emerging needs of business and residential customers.

Products Supported

- cnPilot
- ePMP
- PMP
- PTP
- cnReach

• PMP

- cnPilot
- ePMP
- cnReach

Cambium Networks Wireless Network Fabric



- People Places Things
- Purpose Built
- 2m to 246km
- Kb to Mb to Gb
- Indoor and Outdoor
- PTP PMP Wi-Fi LTE
- Licensed and Unlicensed
- Scalable
- Concept to Commissioning
- Single Pane of Glass





Resilient, Efficient, Affordable Wireless Connectivity Solutions



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